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Scientific and Engineering Computation System at Kawasaki Steel

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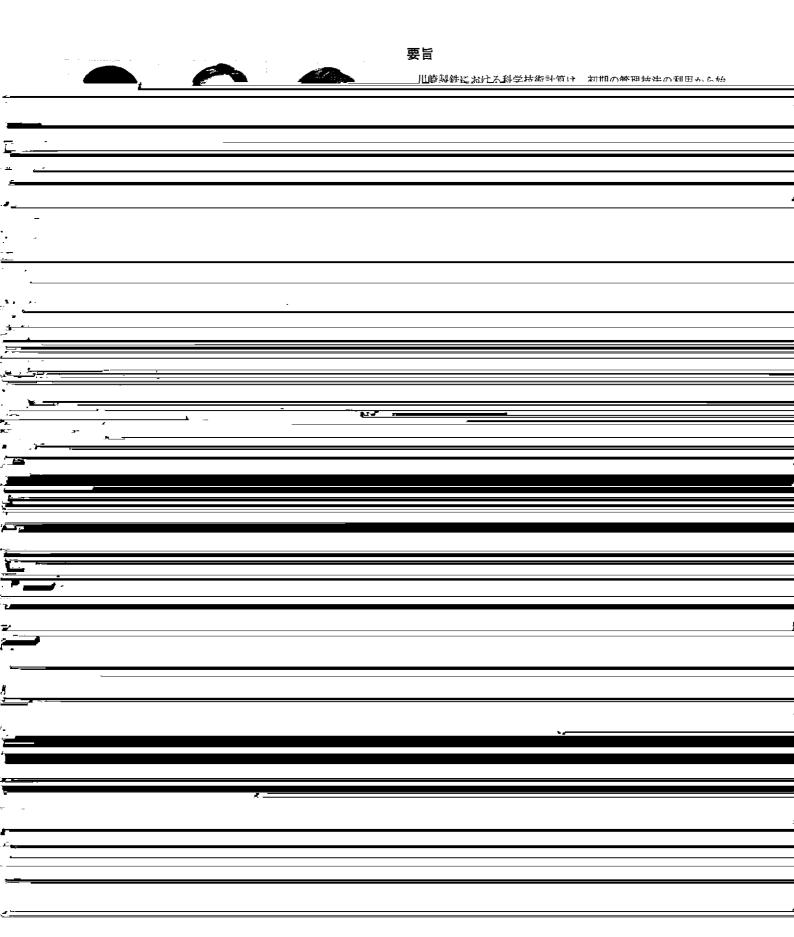
## FACOM VP-50

## Synopsis:

At Kawasaki Steel, a scientific and engineering computation system has been developed, from the earliest utilization of management science, through its applications ranging from the heat transfer analysis, structural analysis and control system to the analysis of a large scale model by supercomputer such as the fluid flow analysis. This paper describes the features of main applications which include the heat transfer analysis of blast furnace hearth molten metal flow analysis in the continuous casting mould stress analysis of the work roll shift mill, and simulation of hot tandem mills. The scientific and engineering computation system was developed on the basis of FACOM VP-50 supercomputer by using the corporate network. Additionally, a user supporting system which was very powerful and useful in the scientific and engineering computation was developed and it is also summarized here.

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## Scientific and Engineering Computation System at Kawasaki Steel

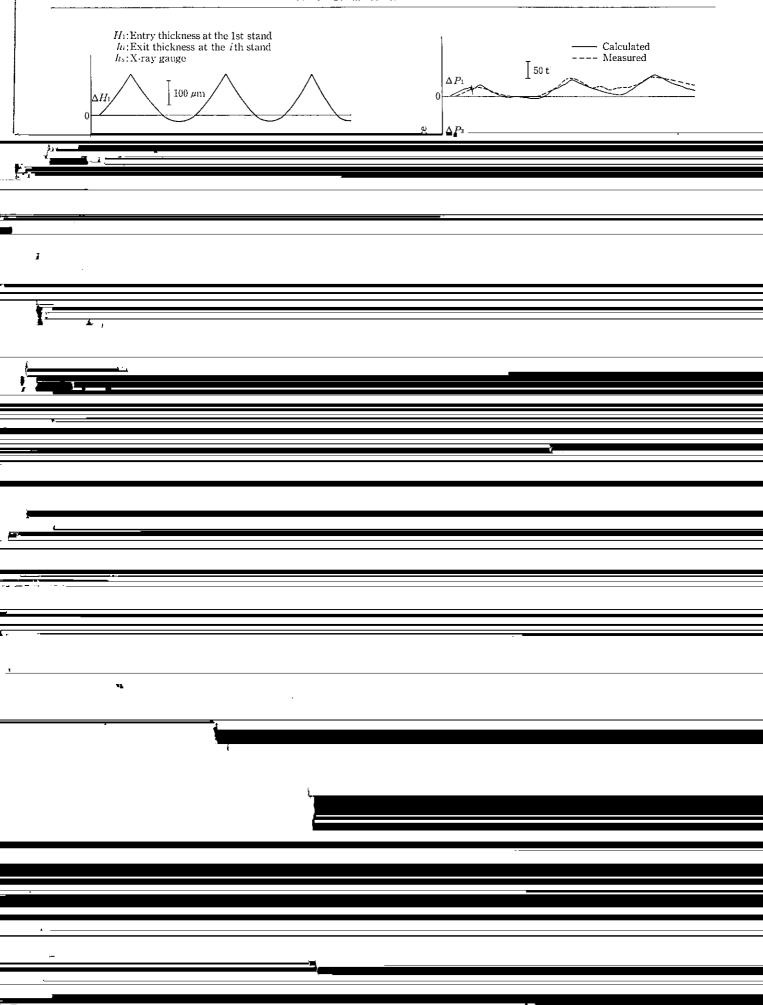


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Table 3 List of typical application examples Iron making Steel making Rolling

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